

PCT

RAW SEQUENCE LISTING DATE: 01/30/2005 PATENT APPLICATION: US/10/501,962 TIME: 10:02:42

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01302005\J501962.raw

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3 <110> APPLICANT: Braun, Klaus
            Braun, Isabell
      4
             Debus, Jurgen
      5
      6
             Pipkorn, Rudiger
             Waldeck, Waldemar
      9 <120> TITLE OF INVENTION: CONJUGATE FOR TREATING PROKARYOTIC INFECTIONS
     11 <130> FILE REFERENCE: 4121-170
     13 <140> CURRENT APPLICATION NUMBER: 10/501,962
C--> 14 <141> CURRENT FILING DATE: 2004-07-19
     16 <150> PRIOR APPLICATION NUMBER: PCT/DE03/00124
     17 <151> PRIOR FILING DATE: 2003-01-17
     19 <150> PRIOR APPLICATION NUMBER: DE 10201862.6
     20 <151> PRIOR FILING DATE: 2002-01-18
     22 <160> NUMBER OF SEQ ID NOS: 31
                                                           Does Not Comply
     24 <170> SOFTWARE: PatentIn version 3.2
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    65 gegggatate gtecatteeg acageatege cagteactat ggegtgetge tagegetata
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69 ccgcccagtc ctgctcgctt cgctacttgg agccactatc gactacgcga tcatggcgac 360 71 cacaccegte etgtggatee tetacgeegg acgeategtg geeggeatea eeggegeeae 420 73 aggtgcggtt gctggcgcct atatcgccga catcaccgat ggggaagatc gggctcgcca 480 75 cttcgggctc atgagcgctt gtttcggcgt gggtatggtg gcaggccccg tggccggggg 540 77 actgttgggc gccatctcct tgcatgcacc attccttgcg gcggcggtgc tcaacggcct 600 80 <210> SEQ ID NO: 4 81 <211> LENGTH: 109 82 <212> TYPE: PRT 83 <213> ORGANISM: Bacteriophage P1 85 <400> SEQUENCE: 4 87 Met Leu Asp Thr Gln Glu Leu Ala Pro Val Ala Ile Ala Leu Leu Leu 10 91 Ser Val Ile Gly Gly Ile Gly Thr Phe Leu Met Asp Val Arg Asp Gly 20 25 95 Arg Gln Ser Gly Asn Leu Leu Gly Leu Val Thr Glu Ile Phe Val Ala 99 Val Thr Ala Gly Ala Val Ala Tyr Leu Leu Gly Gln His Glu Gly Trp 55 103 Glu Leu Ser Ile Thr Tyr Leu Met Val Thr Ile Ala Ser Asn Asn Gly 107 His Glu Val Ile Ser Gly Met Lys Arg Val Asn Ile Asp Ser Ile Leu 85 111 Asn Val Leu Thr Ser Leu Val Lys Lys Gly Gly Lys 112 100 115 <210> SEQ ID NO: 5 116 <211> LENGTH: 68 117 <212> TYPE: PRT 118 <213> ORGANISM: Bacteriophage H19B 120 <400> SEQUENCE: 5 122 Met Glu Lys Ile Thr Thr Gly Val Ser Tyr Thr Thr Ser Ala Val Gly 123 1 126 Thr Gly Tyr Trp Leu Leu Gln Leu Leu Asp Lys Val Ser Pro Ser Gln 127 20 130 Trp Val Ala Ile Gly Val Leu Gly Ser Leu Leu Phe Gly Leu Leu Thr 134 Tyr Leu Thr Asn Leu Tyr Phe Lys Ile Arg Glu Asp Arg Arg Lys Ala 135 50 55 60 138 Val Arg Gly Glu 139 65 142 <210> SEQ ID NO: 6 143 <211> LENGTH: 96 144 <212> TYPE: PRT 145 <213> ORGANISM: Bacteriophage A118 147 <400> SEQUENCE: 6 149 Met Ile Glu Met Glu Phe Gly Lys Glu Leu Leu Val Tyr Met Thr Phe 150 1 153 Leu Val Val Val Thr Pro Val Phe Val Gln Ala Ile Lys Lys Thr Glu 25 157 Leu Val Pro Ser Lys Trp Leu Pro Thr Val Ser Ile Leu Ile Gly Ala

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162	50					55					60					
165 Thr	Met	Ile	Trp	Ala	Gly	Ala	Leu	Ala	Gly	Ala	Gly	Gly	Thr	Gly	Leu	
166 65					70					75					80	
169 Phe	Glu	Gln	Phe	Thr	Asn	Arg	Ser	Lys	Lys	Tyr	Gly	Glu	Asp	Asp	Lys	
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184 Ala	Leu	Val	Pro	Ala	Ala	Leu	Leu	Val	Val	Gln	Thr	Ala	Ala	Ala	Val	
185			20					25					30			
188 Phe	Gly	Tyr	Asn	Trp	Asp	Phe	Ala	Asn	Leu	Gly	Lys	Glu	Leu	Thr	Ala	
189	_	35		_	_		40				_	45				
192 Val	Ile	Asn	Ala	Val	Phe	Ala	Leu	Leu	Thr	Ile	Val	Gly	Val	Ala	Val	
193	50					55					60	_				
196 Asp	Pro	Thr	Thr	Glu	Gly	Val	Ser	Asp	Ser	Gln	Gln	Ala	Leu	Ala	Tyr	
197 65					70			_		75					80	
200 Pro	Ala	Leu	Ile	Thr	Thr	Lys	Ala	Ala	Lys	Ile	Lys	Ser	Leu	Glu	Asp	
201				85		-			90		-			95	_	
204 Glr	ılle	Lys	Ala	Leu	Gln	Ala	Asp	Lys	Ala	Ala	Asp	Gln	Ala	Thr	Ser	
205			100				•	105			-		110			
208 Ala	Ala	Ser	Glu	Val	Val	Pro	Glu	Thr	Ser	Ser	Ala	Ala	Pro	Ala	Glu	
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227 Let	Ile	Ser	Phe	Phe	Ile	Gly	Val	Ile	Val	Gln	Ala	Ile	Lys	Lys	Thr	
228			20			_		25	`				30	_		
231 Gly	Lys	Val	Lys	Asn	Thr	Tyr	Leu	Pro	Phe	Ile	Ser	Met	Gly	Ile	Gly	
232	•	35	-			-	40					45	-			
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240 65		-			70	-				75					80	
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251 Asn Ser Ile Asn Thr Thr Lys Ser Ser Asp Thr Thr Gln Val Ala Asn 115 120 255 Thr Ser Asn Thr Glu Gly Gly Ser Thr Ser Glu Thr Gln Lys 256 130 135 259 <210> SEQ ID NO: 9 260 <211> LENGTH: 107 261 <212> TYPE: PRT 262 <213> ORGANISM: Lactobacillus delbrueckii subsp. lactis bacteriophage LL-H 264 <400> SEQUENCE: 9 266 Met Thr Leu Ile Asp Trp Phe Asn Leu Ile Val Ala Ile Gly Thr Ile 10 270 Ala Leu Ala Val Val Ala Ser Val Tyr Val His Leu Lys Ala Lys Ile 25 274 Asp Thr Lys Thr Ala Ala Gly Lys Ala Phe Asp Leu Val Gly Lys Leu 278 Ala Val Trp Ala Val Asn Glu Ala Glu His Ser Gln Asp Gly Gly Ala 282 Ala Lys Arg Glu Phe Ala Ala Lys Leu Ile Ser Asp Gln Leu Lys Ala 70 286 Lys Gly Ile Thr Gly Ile Asp Glu Lys Met Val Tyr Gly Ala Val Glu 85 290 Thr Ala Trp Lys Glu Ala Ile Glu Asn Val Lys 291 100 294 <210> SEQ ID NO: 10 295 <211> LENGTH: 44 296 <212> TYPE: PRT 297 <213> ORGANISM: Lactococcus phage c2 299 <400> SEQUENCE: 10 301 Met Ile Glu Thr Leu Arg Ala Ile Gly Leu Val Val Phe Met Gln Leu 5 302 1 305 Leu Ser Leu Ala Leu Glu Phe Ile Asp Thr Gly Thr Leu Lys Pro Ser 309 Val Arg Lys Arg Ile Ala Val Glu Leu Met Val Leu 35 313 <210> SEQ ID NO: 11 314 <211> LENGTH: 74 315 <212> TYPE: PRT 316 <213> ORGANISM: bacteriophage phi AM2 318 <400> SEQUENCE: 11 320 Met Phe Phe Asn Asn Lys Phe Tyr Asn Val Ile Lys Trp Ala Val Leu 5 10 324 Thr Ala Leu Pro Ala Leu Ser Val Phe Ile Gly Val Ile Gly Lys Ala 328 Tyr Gly Trp Gly Gly Thr Asp Leu Ala Ile Ile Thr Leu Asn Ala Phe 332 Thr Val Phe Leu Gly Thr Leu Ala Gly Val Ser Ala Val Lys Tyr Asn 336 Ser Gln Pro Asn Asp Thr Lys Glu Asn Lys

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343 <213> ORGANISM: Bacteriophage Tuc2009
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                                     25
352
·355 Pro Phe Gly Tyr Lys Trp Asp Phe Val Ile Leu Asn Gln Gln Leu Ala
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359 Ala Val Val Asn Ala Ala Phe Ala Leu Leu Ala Ile Val Gly Val Val
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367 Lys Asp Lys Ser Glu Glu Asn Lys
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374 <213> ORGANISM: Bacteriophage TPW22
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379 1
382 Leu Ala Leu Leu Pro Ala Leu Phe Leu Leu Ile Gln Ala Ile Gly Ala
                 20
                                     25
386 Ser Phe Gly Tyr Lys Trp Asn Phe Val Ile Leu Asn Gln Gln Leu Ala
                                                      45
387
            35
390 Ala Val Val Asn Ala Ala Phe Ala Leu Leu Ala Ile Val Gly Val Val
394 Ala Asp Pro Thr Thr Ser Gly Leu Gly Asp Ser Asp Arg Val Leu Asn
395 65
                         70
                                   PIS see items# 5 summar
398 Lys Asp Lys Ser Glu Glu Asn Lys
402 <210> SEQ ID NO: 14
403 <211> LENGTH: 74
404 <212> TYPE: PRT /
405 <213> ORGANISM: (homology to Orf78 of phage HP1 and gene S of phage P21
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414
                                     25
                 20
417 Ala Ile Phe Gly Ile Leu Phe Gly Leu Phe Thr Met Leu Ile Asn Trp
418
421 Tyr Tyr Lys Asn Lys Glu Ile Lys Leu Lys Glu Thr Ala Leu Lys Gln
425 Lys Ile Asp Leu Lys Glu Gly Asp His Glu
                                                 FYT: The above response can be inserted into section (2207-(223),
426 65
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The type of errors shown exist throughout Trance Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/501,962

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Input Set : A:\PTO.YF.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date